

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/999,690DATE: 01/06/99
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INPUT SET: S30594.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Gunzburg, Walter H.
Winder, David
Saller, Robert M.

(ii) TITLE OF INVENTION: VECTORS CARRYING THERAPEUTIC GENES
ENCODING ANTIMICROBIAL PEPTIDES FOR GENE THERAPY

(iii) NUMBER OF SEQUENCES: 12

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
(B) STREET: TWO MILITIA DRIVE
(C) CITY: LEXINGTON
(D) STATE: MASSACHUSETTS
(E) COUNTRY: USA
(F) ZIP: 02173

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/999,690
(B) FILING DATE: 08-SEP-1997
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/EP96/01001
(B) FILING DATE: 08-MAR-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DK 0243/95
(B) FILING DATE: 09-MAR-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Brook, David E.
(B) REGISTRATION NUMBER: 22,592
(C) REFERENCE/DOCKET NUMBER: GSF97-03A

(ix) TELECOMMUNICATION INFORMATION:

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PATENT APPLICATION US/08/999,690DATE: 01/06/99
TIME: 16:38:01

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47 (A) TELEPHONE: (781) 861-6240
48 (B) TELEFAX: (781) 861-9540
49
50

51 (2) INFORMATION FOR SEQ ID NO:1:
52

53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 26 amino acids
55 (B) TYPE: amino acid
56 (C) STRANDEDNESS: unknown
57 (D) TOPOLOGY: unknown
58

59 (ii) MOLECULE TYPE: protein
60
6162
63
64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
65

66 Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu
67 1 5 10 15
68
69 Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
70 20 25
71

72 (2) INFORMATION FOR SEQ ID NO:2:
73

74 (i) SEQUENCE CHARACTERISTICS:
75 (A) LENGTH: 26 amino acids
76 (B) TYPE: amino acid
77 (C) STRANDEDNESS: unknown
78 (D) TOPOLOGY: unknown
79

80 (ii) MOLECULE TYPE: protein
81
8283
84
85 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
86

87 Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu
88 1 5 10 15
89
90 Ile Ser Trp Ile Gly Gly Gly Gly Gly Gly
91 20 25
92

93 (2) INFORMATION FOR SEQ ID NO:3:
94

95 (i) SEQUENCE CHARACTERISTICS:
96 (A) LENGTH: 25 base pairs
97 (B) TYPE: nucleic acid
98 (C) STRANDEDNESS: single
99 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/999,690DATE: 01/06/99
TIME: 16:38:02

INPUT SET: S30594.raw

100
101 (ii) MOLECULE TYPE: other nucleic acid
102 (A) DESCRIPTION: /desc = "DNA"
103
104
105
106

107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
108

109 TATGACGTCT CGTTAGAACG CGGCT
110

111 (2) INFORMATION FOR SEQ ID NO:4:
112

113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 26 base pairs
115 (B) TYPE: nucleic acid
116 (C) STRANDEDNESS: single
117 (D) TOPOLOGY: linear
118

119 (ii) MOLECULE TYPE: other nucleic acid
120 (A) DESCRIPTION: /desc = "DNA"
121
122
123
124

125 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
126

127 GGCAGATCTT AAATGTATCA TGCAAT
128

129 (2) INFORMATION FOR SEQ ID NO:5:
130

131 (i) SEQUENCE CHARACTERISTICS:
132 (A) LENGTH: 6 base pairs
133 (B) TYPE: nucleic acid
134 (C) STRANDEDNESS: single
135 (D) TOPOLOGY: linear
136

137 (ii) MOLECULE TYPE: other nucleic acid
138 (A) DESCRIPTION: /desc = "DNA"
139
140
141
142

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
144

145 GACGTC
146

147 (2) INFORMATION FOR SEQ ID NO:6:
148

149 (i) SEQUENCE CHARACTERISTICS:
150 (A) LENGTH: 6 base pairs
151 (B) TYPE: nucleic acid
152 (C) STRANDEDNESS: single

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26

6

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PATENT APPLICATION US/08/999,690DATE: 01/06/99
TIME: 16:38:03

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153 (D) TOPOLOGY: linear
154
155 (ii) MOLECULE TYPE: other nucleic acid
156 (A) DESCRIPTION: /desc = "DNA"
157
158
159
160
161 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
162
163 AGATCT
164
165 (2) INFORMATION FOR SEQ ID NO:7:
166
167 (i) SEQUENCE CHARACTERISTICS:
168 (A) LENGTH: 28 base pairs
169 (B) TYPE: nucleic acid
170 (C) STRANDEDNESS: single
171 (D) TOPOLOGY: linear
172
173 (ii) MOLECULE TYPE: other nucleic acid
174 (A) DESCRIPTION: /desc = "DNA"
175
176
177
178
179 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
180
181 ATAGACGTCA AGGAAGGAAG CGATCGGA
182
183 (2) INFORMATION FOR SEQ ID NO:8:
184
185 (i) SEQUENCE CHARACTERISTICS:
186 (A) LENGTH: 28 base pairs
187 (B) TYPE: nucleic acid
188 (C) STRANDEDNESS: single
189 (D) TOPOLOGY: linear
190
191 (ii) MOLECULE TYPE: other nucleic acid
192 (A) DESCRIPTION: /desc = "DNA"
193
194
195
196
197 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
198
199 TATGGATCCA ACCCTGTTGC CTCTTACG
200
201 (2) INFORMATION FOR SEQ ID NO:9:
202
203 (i) SEQUENCE CHARACTERISTICS:
204 (A) LENGTH: 35 base pairs
205 (B) TYPE: nucleic acid

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28

28

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PATENT APPLICATION US/08/999,690DATE: 01/06/99
TIME: 16:38:04

INPUT SET: S30594.raw

206 (C) STRANDEDNESS: single
207 (D) TOPOLOGY: linear
208
209 (ii) MOLECULE TYPE: other nucleic acid
210 (A) DESCRIPTION: /desc = "DNA"
211
212
213
214

215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
216

217 TCTTACATCT ATGCGGGAAT TGGAGCAGTT CTGAA
218

35

219 (2) INFORMATION FOR SEQ ID NO:10:
220

221 (i) SEQUENCE CHARACTERISTICS:
222 (A) LENGTH: 35 base pairs
223 (B) TYPE: nucleic acid
224 (C) STRANDEDNESS: single
225 (D) TOPOLOGY: linear
226

227 (ii) MOLECULE TYPE: other nucleic acid
228 (A) DESCRIPTION: /desc = "DNA"
229
230
231
232

233 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
234

235 AACTGCTCCA ATTCCCGCAT AGATGTAAGA AATGT
236

35

237 (2) INFORMATION FOR SEQ ID NO:11:
238

239 (i) SEQUENCE CHARACTERISTICS:
240 (A) LENGTH: 6 base pairs
241 (B) TYPE: nucleic acid
242 (C) STRANDEDNESS: single
243 (D) TOPOLOGY: linear
244

245 (ii) MOLECULE TYPE: other nucleic acid
246 (A) DESCRIPTION: /desc = "DNA"
247
248
249
250

251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
252

253 GACGTC
254

6

255 (2) INFORMATION FOR SEQ ID NO:12:
256

257 (i) SEQUENCE CHARACTERISTICS:
258 (A) LENGTH: 6 base pairs

PAGE: 1

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DATE: 01/06/99
TIME: 16:38:05

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